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XAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/RW/	3,714,573	01/1973	Grossman			
00000000	4,081,748	03/1978	Batz			
00000000	4,099,121	07/1978	Fang			
	4,128,809	12/1978	Kage			
	4,426,712	01/1984	Gorski-Popiel			
	4,530,087	07/1985	Yamamoto			
	4,599,734	07/1986	Yamamoto			
	4,644,351	02/1987	Zabarsky			
	4,675,863	06/1987	Paneth et al.			
	4,727,590	02/1988	Kawano et al.			
	4,780,885	10/1988	Paul et al.			
	4,799,252	01/1989	Eizenhoffer et al.			
	4,901,307	02/1990	Gilhousen et al.			
	5,031,193	07/1991	Atkinson et al.			
	5,043,736	08/1991	Darnell et al.			
	5,046,066	09/1991	Messenger			
	5,056,106	10/1991	Wang et al.			
	5,058,200	10/1991	Huang et al.			
	5,068,916	11/1991	Harrison et al.			
	5,081,641	01/1992	Kotzin et al.			
	5,081,643	01/1992	Schilling			
0000	5,088,108	02/1992	Uddenfeldt et al.			
	5,097,484	03/1992	Akaiwa			
500000000000000000000000000000000000000	5,101,501	03/1992	Gilhousen et al.			
V	5,103,459	04/1992	Gilhousen et al.			
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/RW	5,109,390	04/1992	Gilhousen et al.			
200000000	5,124,915	06/1992	Krenzel			
0000000	5,128,925	07/1992	Dornstetter et al.			
	5,155,689	10/1992	Wortham			
	5,164,942	11/1992	Kamerman et al.			
	5,166,951	11/1992	Schilling			
80000	5,177,765	1/5/1993	Holland et al.			
***************************************	5,193,101	09/1993	McDonald et al.			
	5,203,018	04/1993	Hirose			
***************************************	5,208,756	05/1993	Song			
	5,214,789	05/1993	George			
	5,218,367	06/1993	Sheffer et al.			
	5,218,618	06/1993	Sagey			-
	5,223,844	06/1993	Mansell et al.			
***************************************	5,227,802	07/1993	Pullman			
000000	5,235,633	08/1993	Nass et al.			
000	5,247,356	09/1993	Ciampa			
0000000	5,260,943	11/1993	Comroe et al.			
	5,260,967	11/1993	Schilling			
000000	5,280,472	01/1994	Gilhousen et al.			
	5,283,767	02/1994	McCoy			
	5,289,499	02/1994	Weerackody			
	5,289,527	02/1994	Tiedemann, Jr.			
	5,293,645	03/1994	Sood et al.1			
200000000	5,297,162	03/1994	Lee et al.			·
V	5,305,353	04/1994	Weerackody '			····

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/RW/	5,321,696	04/1994	Buchholz et al.			
	5,323,384	06/1994	Norwood			
	5,329,530	07/1994	Kojima			
	5,345,467	09/1994	Lomp et al.			
	5,347,535	09/1994	Karasawa et al.			
	5,365,516	11/1994	Jandrell ¹¹			
	5,367,539	11/1994	Copley			
	5,371,734	12/1994	Fischer			
	5,371,780	12/1994	Amitay			
	5,373,502	12/1994	Turban			
	5,390,166	02/1995	Rohani et al.			
	5,420,883	05/1995	Swensen et al.			
00000	5,430,769	07/1995	Patsiokas et al.			
	5,442,625	08/1995	Gitlin et al.			
	5,479,448	12/1995	Seshadri			
2000	5,481,533	1/1996	Honig et al.			
0000	5,483,244	01/1996	Grube et al.			
***************************************	5,483,668	01/1996	Malkamaki et al.			
000000	5,506,863	4/9/1996	Meidan et al.			
000000000000000000000000000000000000000	5,513,176	04/1996	Dean et al.			
0000	5,533,011	07/1996	Dean et al.			
	5,533,013	07/1996	Leppanen			-
	5,553,076	9/3/1996	Behtash et al.			
***************************************	5,584,057	12/1996	Dent			
0000	5,594,737	01/1997	Pillekamp et al. ⁷			_
V	5,614,914	03/1997	Bolgiano et al.			-

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS		DATE IF OPRIATE
/RW/	5,625,876	04/1997	Gilhousen et al.				
88	5,663,990	09/1997	Bolgiano et al.				
	5,684,793	11/1997	Kiema et al.				
	5,712,868	01/1998	Stern et al.12				
	5,748,669	05/1998	Yada				
	5,761,196	6/2/1998	Ayerst et al.				
00000000	5,781,541	07/1998	Schnieder				
00000	5,859,879	01/1999	Bolgiano et al.				
- X	5,881,094	03/1999	Schilling				
000	5,912,644	06/1999	Wang				
0000	6,175,308	01/2001	Tallman et al.				
							
V	6,747,969	06/2007	Hirsch				
V	<u> </u>		Hirsch NT DOCUMENTS				
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	DOCUMENT NUMBER 0528090 2237706 2259430	DATE 02/1993 05/1991 03/1993	COUNTRY EP GB GB	CLASS	SUBCLASS	YES	
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	DOCUMENT NUMBER 0528090 2237706 2259430 05-276210 06-244814 1-233930 63-237636	DATE 02/1993 05/1991 03/1993 10/1993 09/1994 09/1989 10/1998	COUNTRY EP GB GB JP JP JP JP	CLASS	SUBCLASS	X** X** X**	

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/RW/	H03-177669	08/1991	JP			X	
350000000000000000000000000000000000000	H03-235077	10/1991	JP				
	H05-244051	09/1993	JP			X**	
33000000	H06-097914	04/1994	JP			X**	
0000000000	S53-109328	08/1978	JP			Х	
	S63-065723	09/1989	JP			Х	
	S63-274236	11/1988	JP			X**	
	S63-286027	11/1988	JP		-	Х	
	S63-286072	11/1988	JP			X**	
	H05-211470	08/1993	JP ²			X**	
	H04-502844	08/1993	JP ³			Х	
	H06-501349	01/1992	JP ⁵			Х	-
1 •	H03-094851	09/1991	JP				X
*	05-102943	04/1993	JP	:		X**	
*	05-227124	09/1993	JP			X**	
000000000000000000000000000000000000000	199107036	05/1991	WO ⁴				
8	199200639	01/1992	MO ₆				
	199210890	06/1992	WO				
	199306669	04/1993	WO				
8	199608908	03/1996	WO8				
	199833346	07/1998	WO ₉				
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X** Abstract only

† English abstract not available. A copy of the document in Japanese has been provided, in addition to the search report in which is was cited.

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